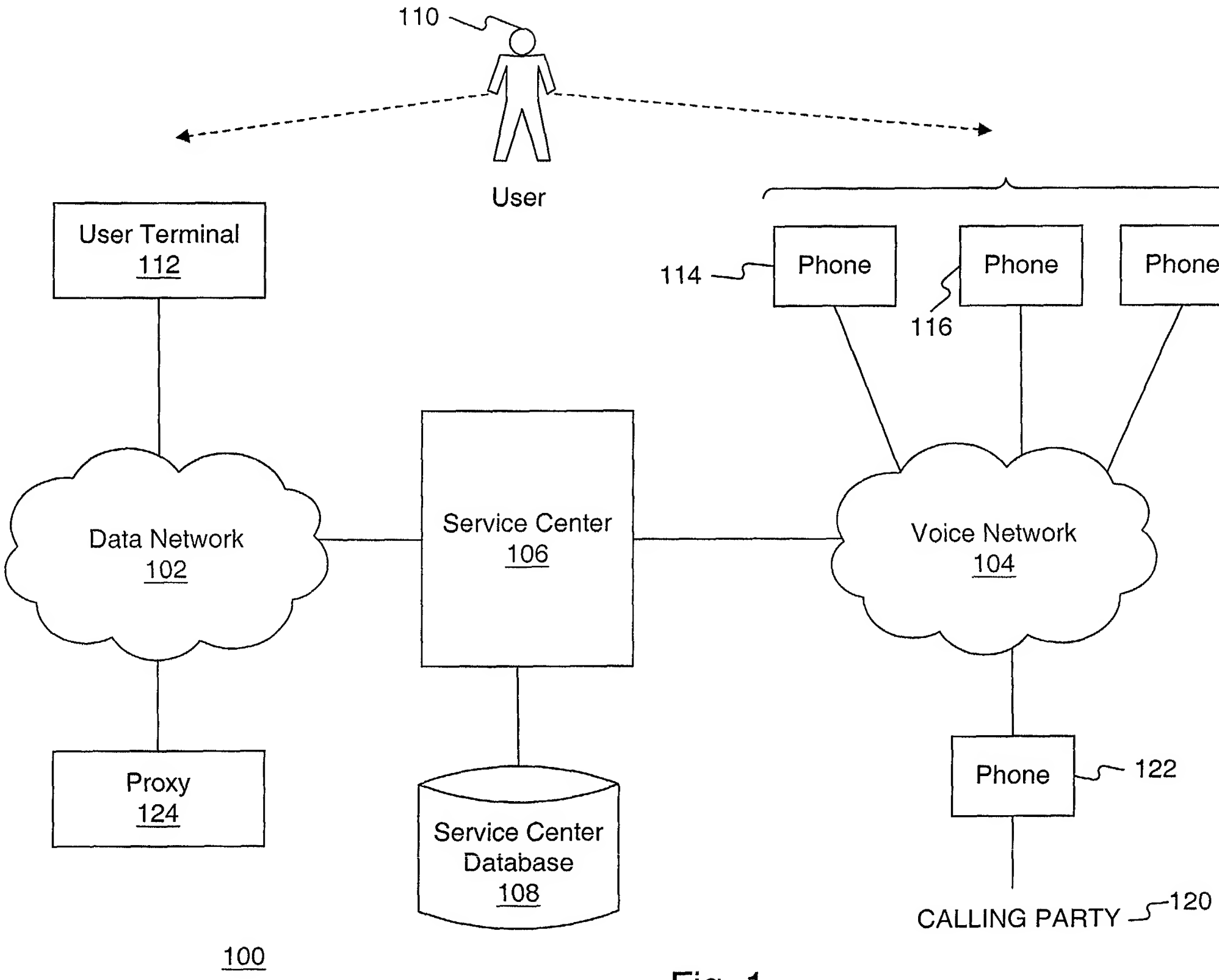

Fig. 1

01-1005; Jeffrey M. Getchius
METHOD AND APPARATUS FOR CONTEXT BASED QUERYING
Express Mail No. EU156067955US

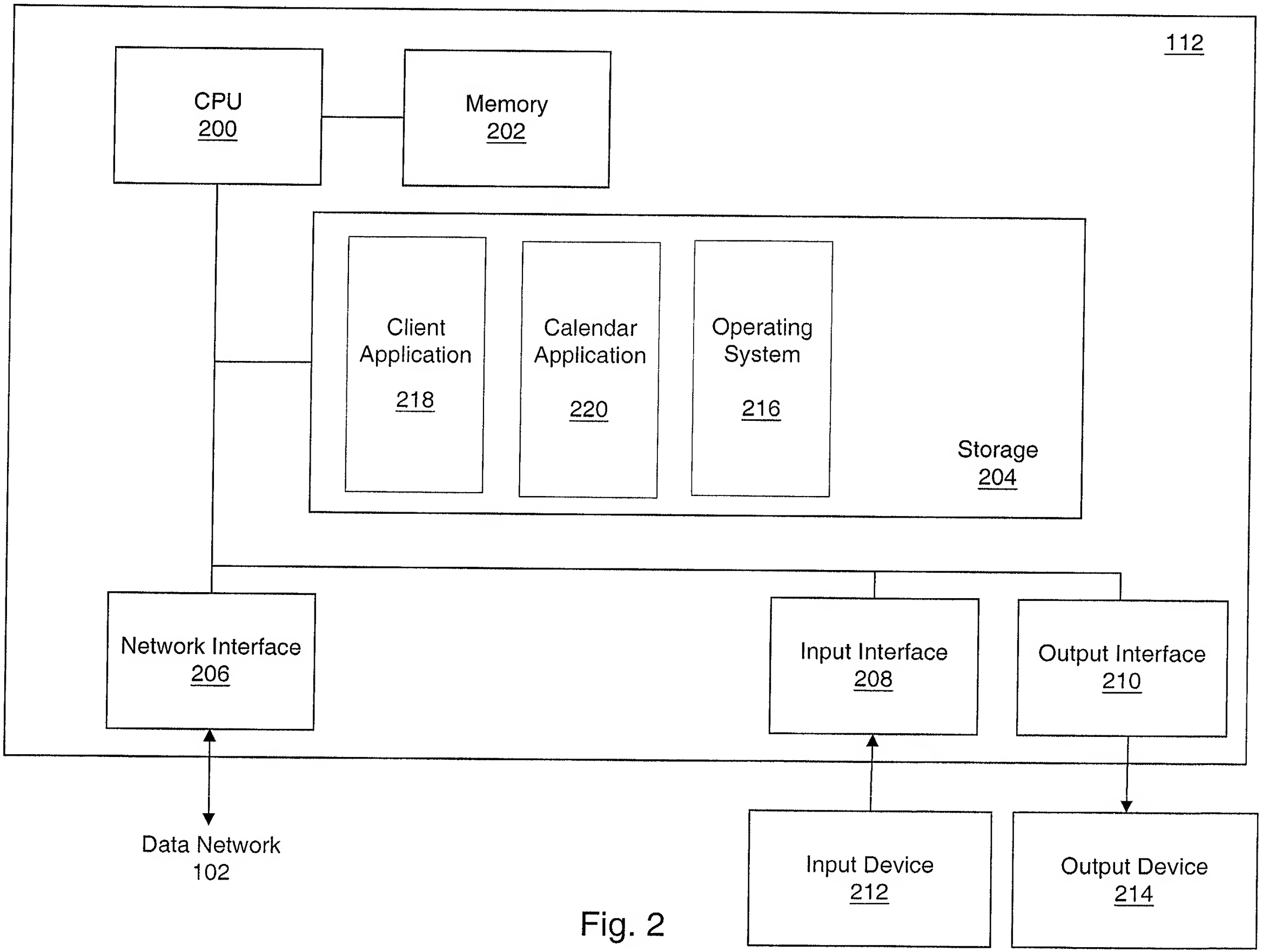

Fig. 2

01-1005; Jeffrey M. Getchius
METHOD AND APPARATUS FOR CONTEXT BASED QUERYING
Express Mail No. EU156067955US

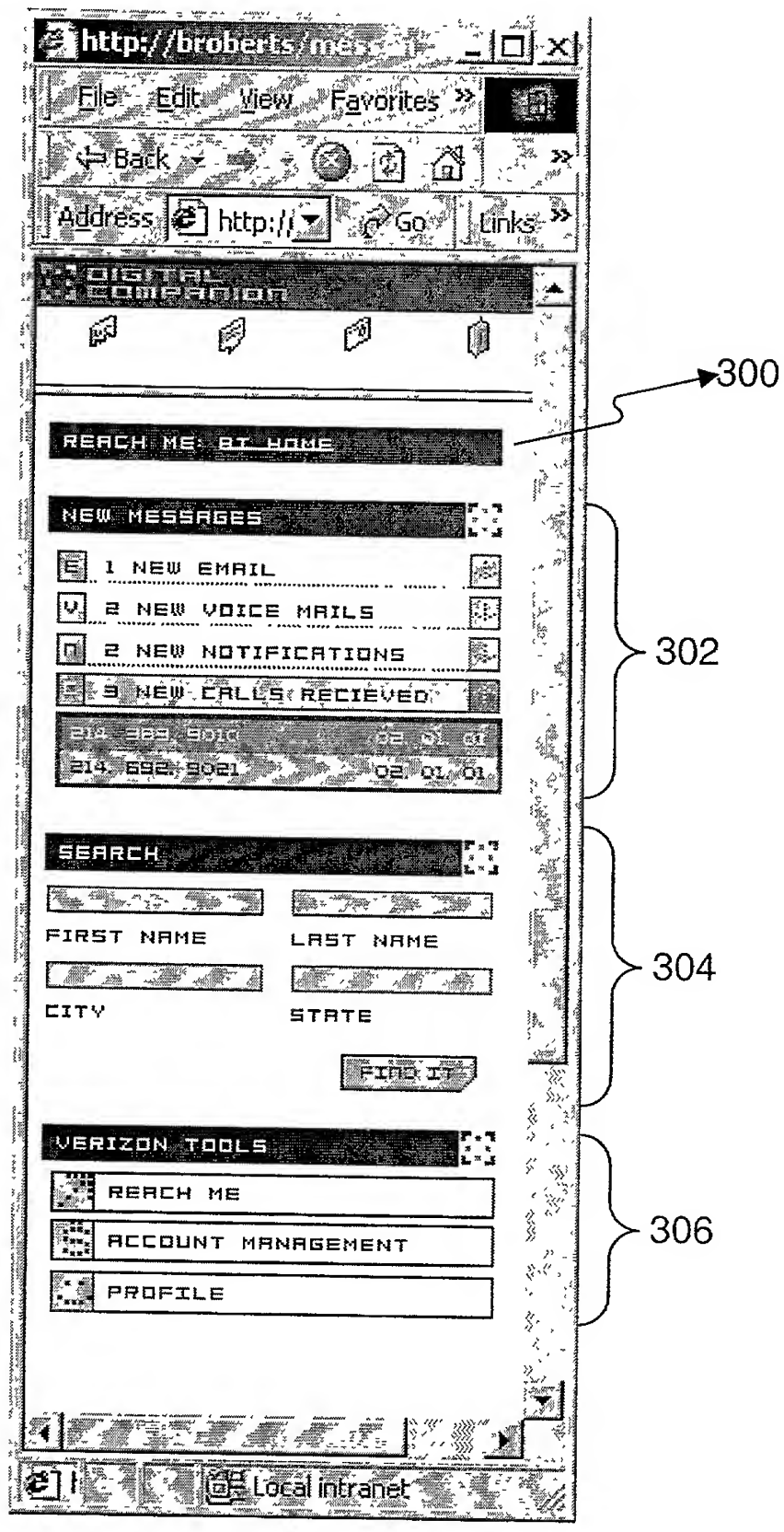
http://broberts/mes
File Edit View Favorites
Back
Address http://
Go
Links
DIGITAL COMPANION
REACH ME: AT HOME
NEW MESSAGES
1 NEW EMAIL
2 NEW VOICE MAILS
2 NEW NOTIFICATIONS
9 NEW CALLS RECIEVED
214 692 9021
02 01 01
SEARCH
FIRST NAME
LAST NAME
CITY
STATE
FIND IT
VERIZON TOOLS
REACH ME
ACCOUNT MANAGEMENT
PROFILE
Local intranet
300
302
304
306

Fig. 3a

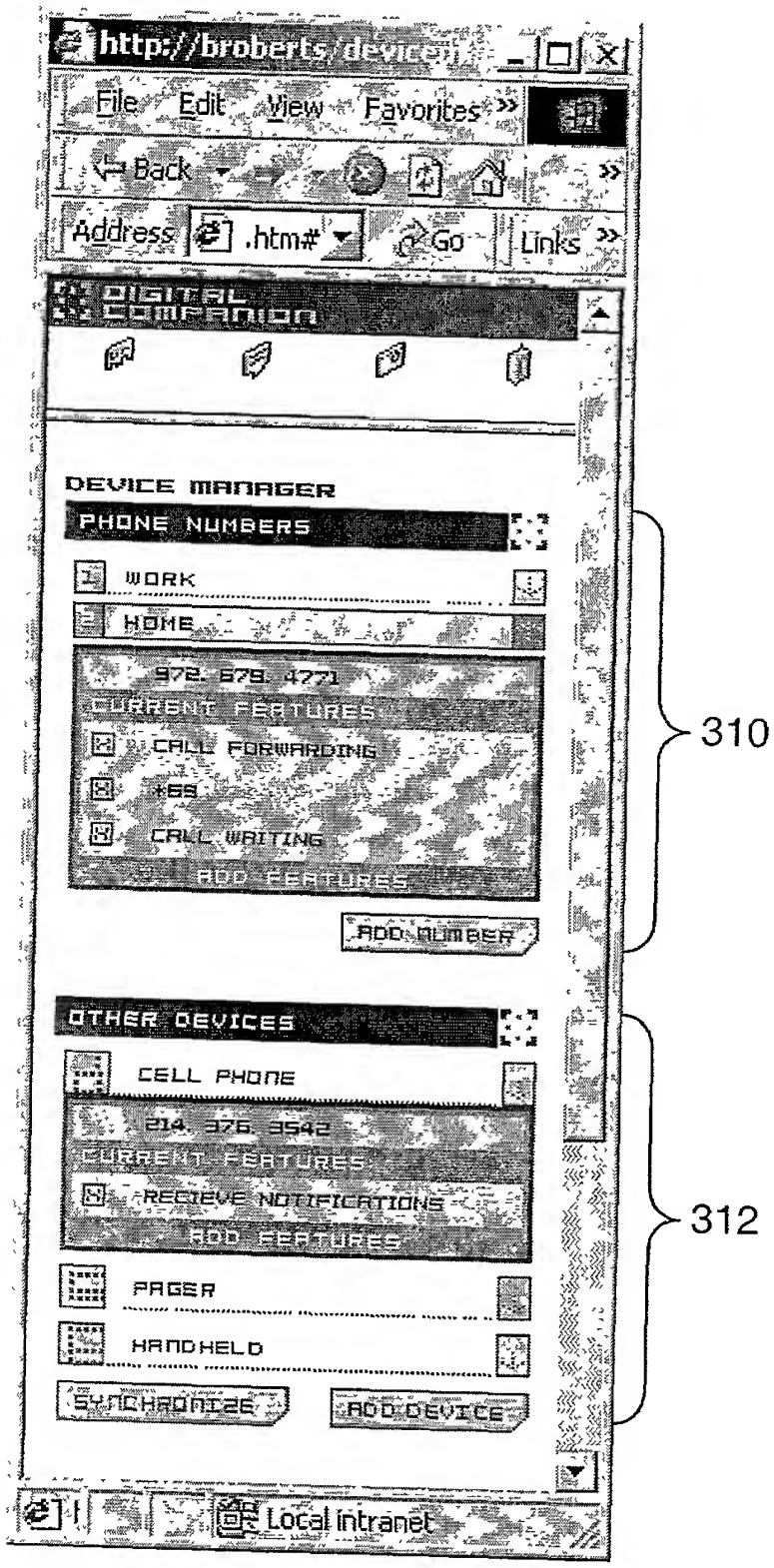
http://broberts/device.htm
File Edit View Favorites
Back
Address .htm# Go Links
DIGITAL COMPANION
DEVICE MANAGER
PHONE NUMBERS
WORK
HOME
972. 679. 4771
CURRENT FEATURES
CALL FORWARDING
+65
CALL WAITING
ADD FEATURES
ADD NUMBER
310
OTHER DEVICES
CELL PHONE
214. 376. 3542
CURRENT FEATURES
RECEIVE NOTIFICATIONS
ADD FEATURES
PAGER
HANDHELD
SYNCHRONIZE
ADD DEVICE
312
Local intranet

Fig. 3b

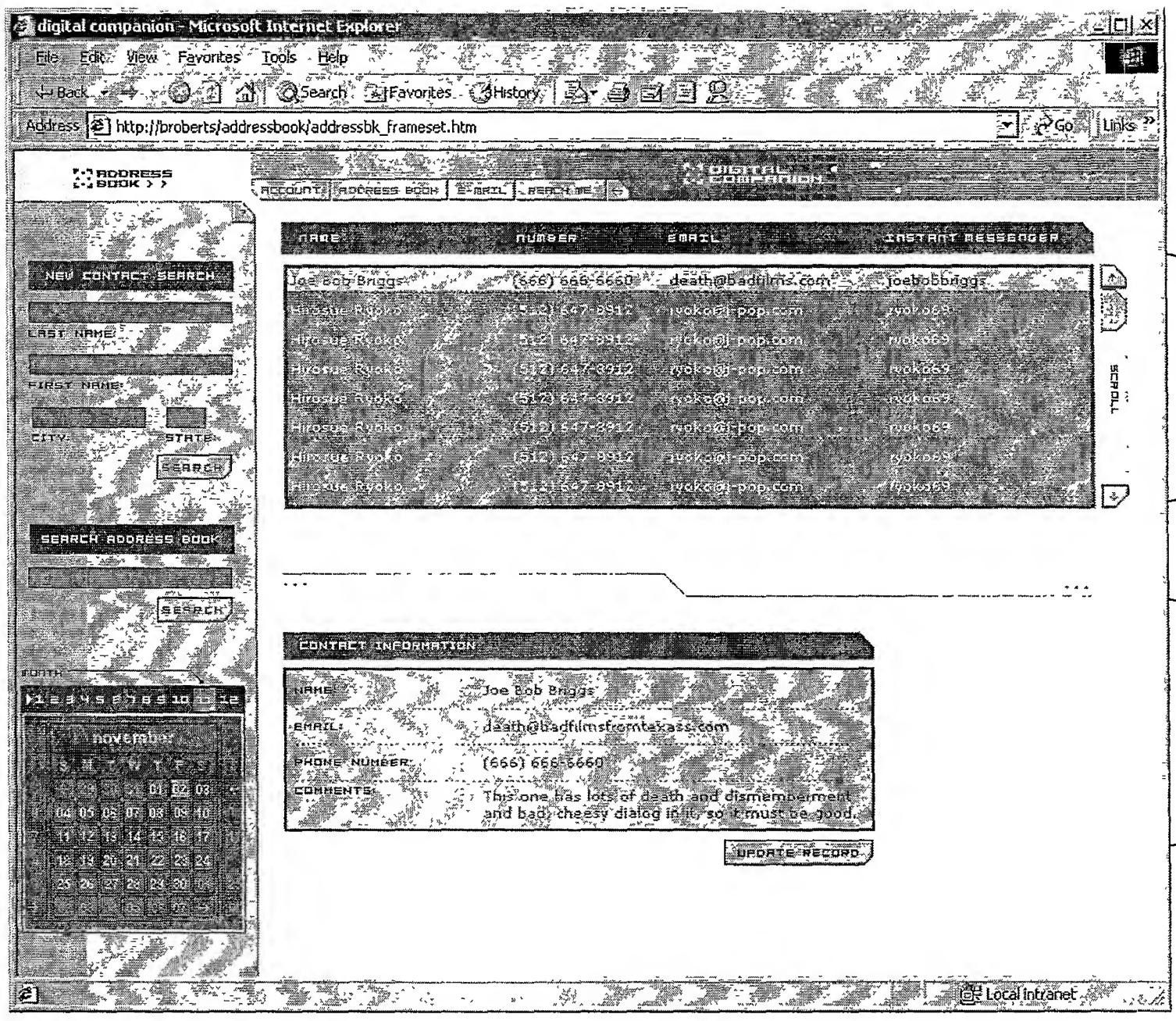
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/addressbook/addressbk_frameset.htm
Go Links
ADDRESS BOOK
ACCOUNT ADDRESS BOOK MAIL REMOTE
DIGITAL COMPANION
NAME NUMBER EMAIL INSTANT MESSENGER
Joe Bob Briggs (666) 666-6660 death@badfilms.com joebobbriggs
Hirosue Ryoko (512) 647-3912 ryoko@i-pop.com ryoko69
NEW CONTACT SEARCH
LAST NAME
FIRST NAME
CITY STATE
SEARCH
SEARCH ADDRESS BOOK
SEARCH
SCROLL
315
CONTACT INFORMATION
NAME Joe Bob Briggs
EMAIL death@badfilmsfromtexass.com
PHONE NUMBER (666) 666-6660
COMMENTS This one has lots of death and dismemberment and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
317
Local intranet

Fig. 3c

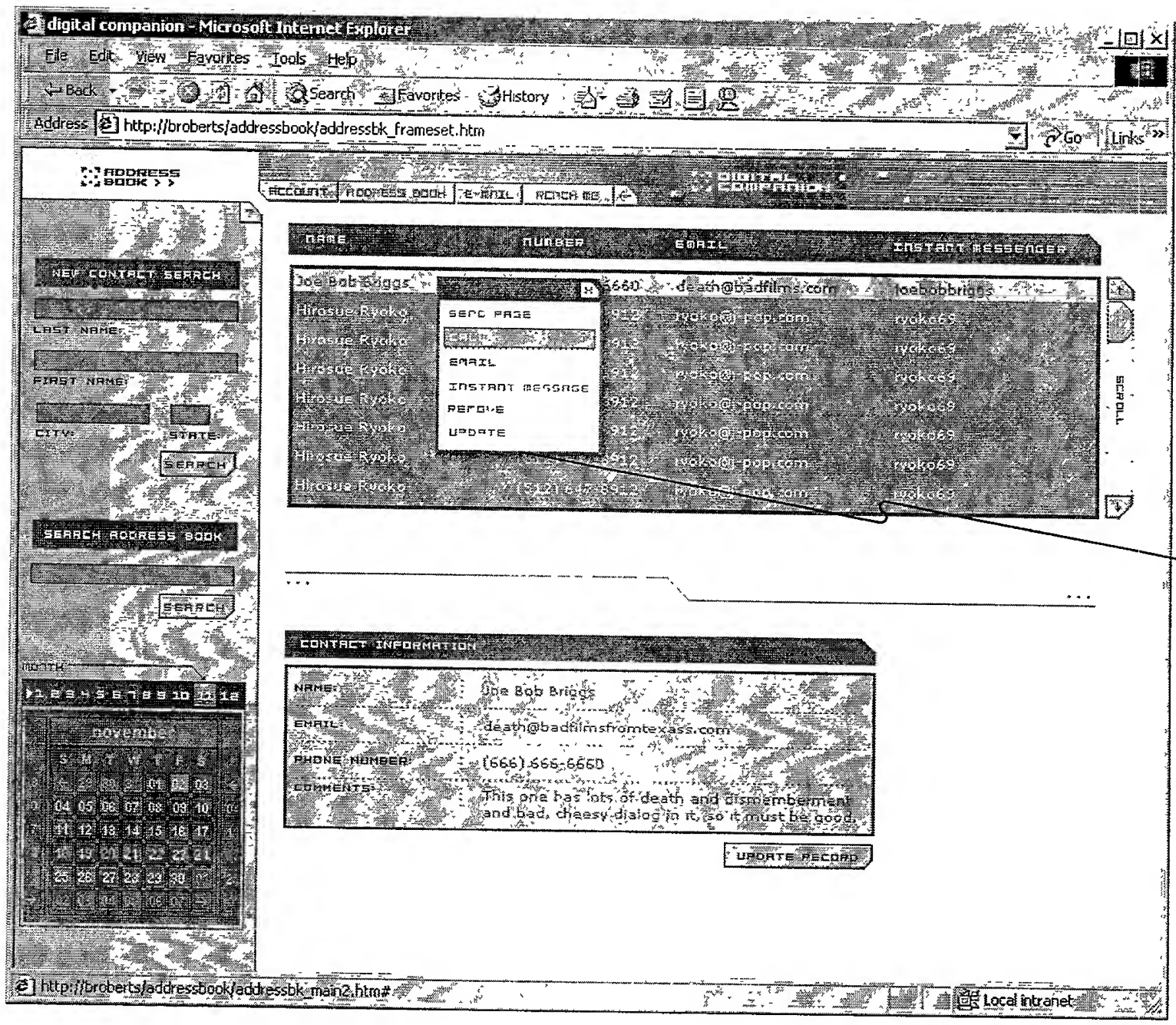
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/addressbook/addressbk_frameset.htm
Go Links
ADDRESS BOOK
ACCOUNT ADDRESS BOOK E-MAIL ROLODEX
NEW CONTACT SEARCH
LAST NAME:
FIRST NAME:
CITY: STATE:
SEARCH
SEARCH ADDRESS BOOK
SEARCH
NAME NUMBER EMAIL INSTANT MESSENGER
Joe Bob Briggs death@badfilms.com joebobbriggs
Hirosue Ryoko ryoko@j-pop.com ryoko69
SEND PAGE
EMAIL
INSTANT MESSAGE
REMOVE
UPDATE
SCROLL
320
CONTACT INFORMATION
NAME: Joe Bob Briggs
EMAIL: death@badfilmsfromtexass.com
PHONE NUMBER: (666).666-6660
COMMENTS: This one has lots of death and dismemberment and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
http://broberts/addressbook/addressbk_main2.htm#
Local intranet

Fig. 3d

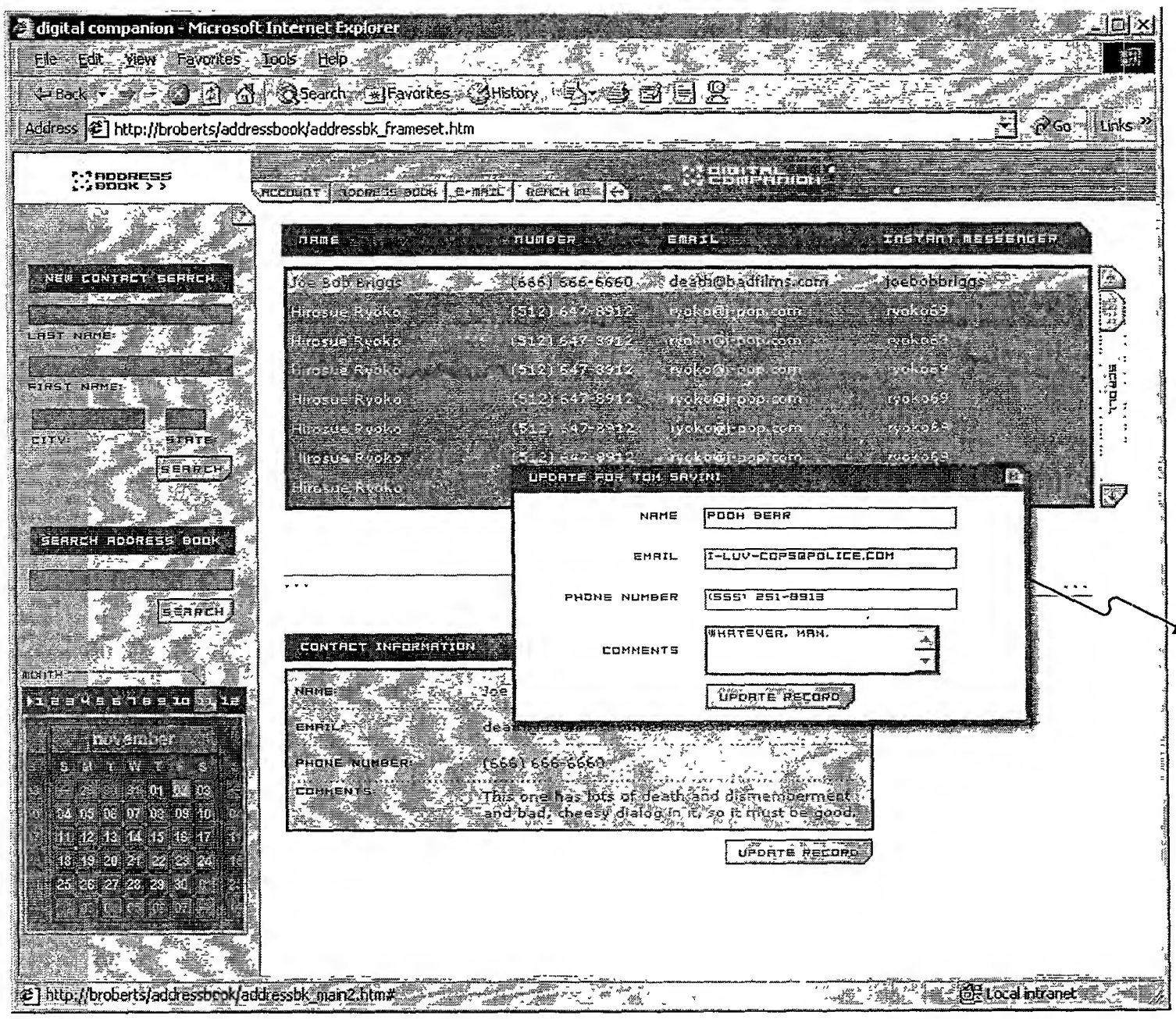
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/addressbook/addressbk_frameset.htm
Go Links
ADDRESS BOOK >>
ACCOUNT ADDRESS BOOK E-MAIL SEARCH WEB
DIGITAL COMPANION
NEW CONTACT SEARCH
LAST NAME:
FIRST NAME:
CITY:
STATE:
SEARCH
SEARCH ADDRESS BOOK
SEARCH
NAME
NUMBER
EMAIL
INSTANT MESSENGER
Joe Bob Briggs (666) 666-6660 deathbadfilms.com joebobbriggs
Hirosue Ryoko (512) 647-8912 ryoko@j-pop.com ryoko69
SCROLL
UPDATE FOR TOM SAVINI
NAME POOH BEAR
EMAIL I-LUV-COPS@POLICE.COM
PHONE NUMBER (555) 251-8913
COMMENTS WHATEVER, MAN.
UPDATE RECORD
325
CONTACT INFORMATION
NAME: Joe
EMAIL: dea
PHONE NUMBER: (666) 666-6660
COMMENTS: This one has lots of death and dismemberment, and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
November
http://broberts/addressbook/addressbk_main2.htm#
Local intranet

Fig. 3e

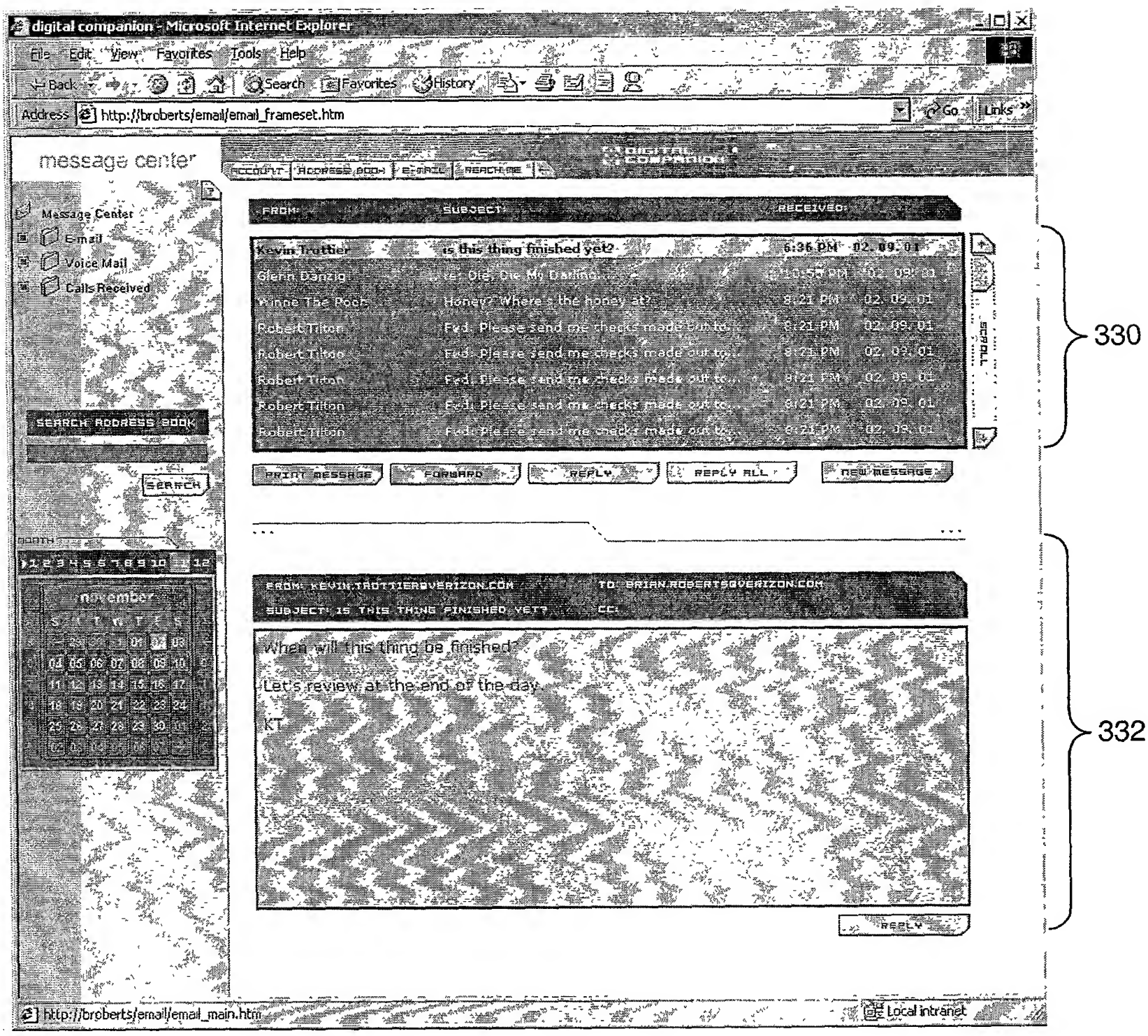
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
Message Center
Email
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
FROM: SUBJECT: RECEIVED:
Kevin Trottier is this thing finished yet? 6:36 PM 02.09.01
Glenn Danzig Live, Die, Die My Darling 8:21 PM 02.09.01
Winnie The Pooh Honey? Where's the honey at? 8:21 PM 02.09.01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02.09.01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02.09.01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02.09.01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02.09.01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02.09.01
PRINT MESSAGE
FORWARD
REPLY
REPLY ALL
NEW MESSAGE
SCROLL
330
FROM: KEVIN.TROTTIER@VERIZON.COM
TO: BRIAN.ROBERTS@VERIZON.COM
SUBJECT: IS THIS THING FINISHED YET?
CC:
When will this thing be finished
Let's review at the end of the day.
KT
REPLY
332
http://broberts/email/email_main.htm
Local intranet

Fig. 3f

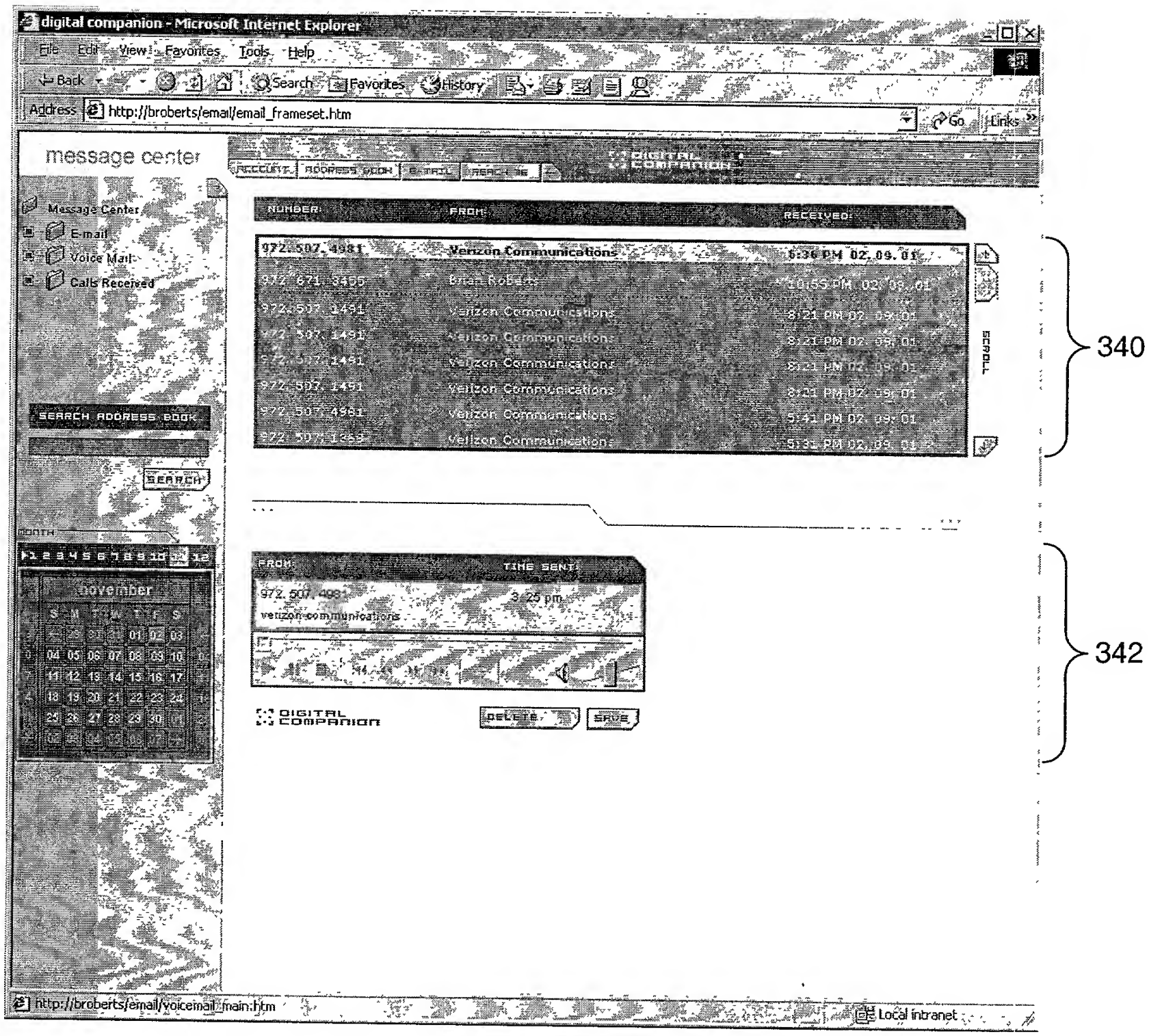
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
Message Center
E-mail
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
NUMBER
FROM:
RECEIVED:
972.507.4981 Verizon Communications 5:36 PM 02.09.01
972.871.3455 Brian Roberts 2:55 PM 02.09.01
972.507.1451 Verizon Communications 8:21 PM 02.09.01
972.507.1451 Verizon Communications 8:21 PM 02.09.01
972.507.1451 Verizon Communications 8:21 PM 02.09.01
972.507.1451 Verizon Communications 8:21 PM 02.09.01
972.507.4981 Verizon Communications 5:41 PM 02.09.01
972.507.1252 Verizon Communications 5:31 PM 02.09.01
SCROLL
340
FROM:
TIME SENT:
972.507.4981 3:25 pm
verizon communications
342
DIGITAL COMPANION
DELETE
SAVE
November
http://broberts/email/voicemail_main.htm
Local intranet

Fig. 3g

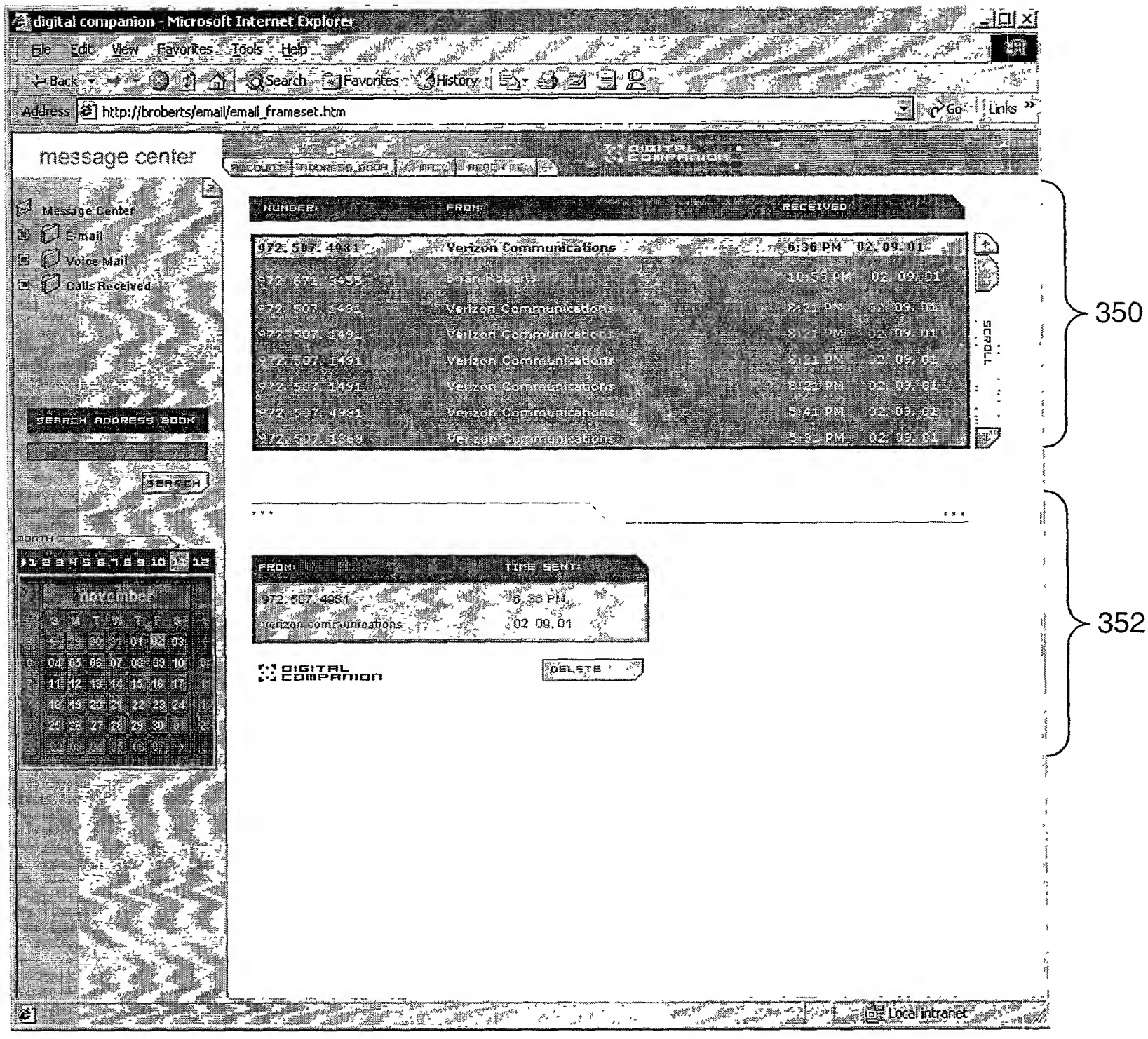
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
Message Center
E-mail
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
NUMBER FROM: RECEIVED
972.507.4931 Verizon Communications 6:36 PM 02.09.01
SCROLL
350
FROM: TIME SENT:
972.507.4931 6:36 PM
verizon communications 02.09.01
DIGITAL COMPANION
DELETE
352
Local intranet

Fig. 3h

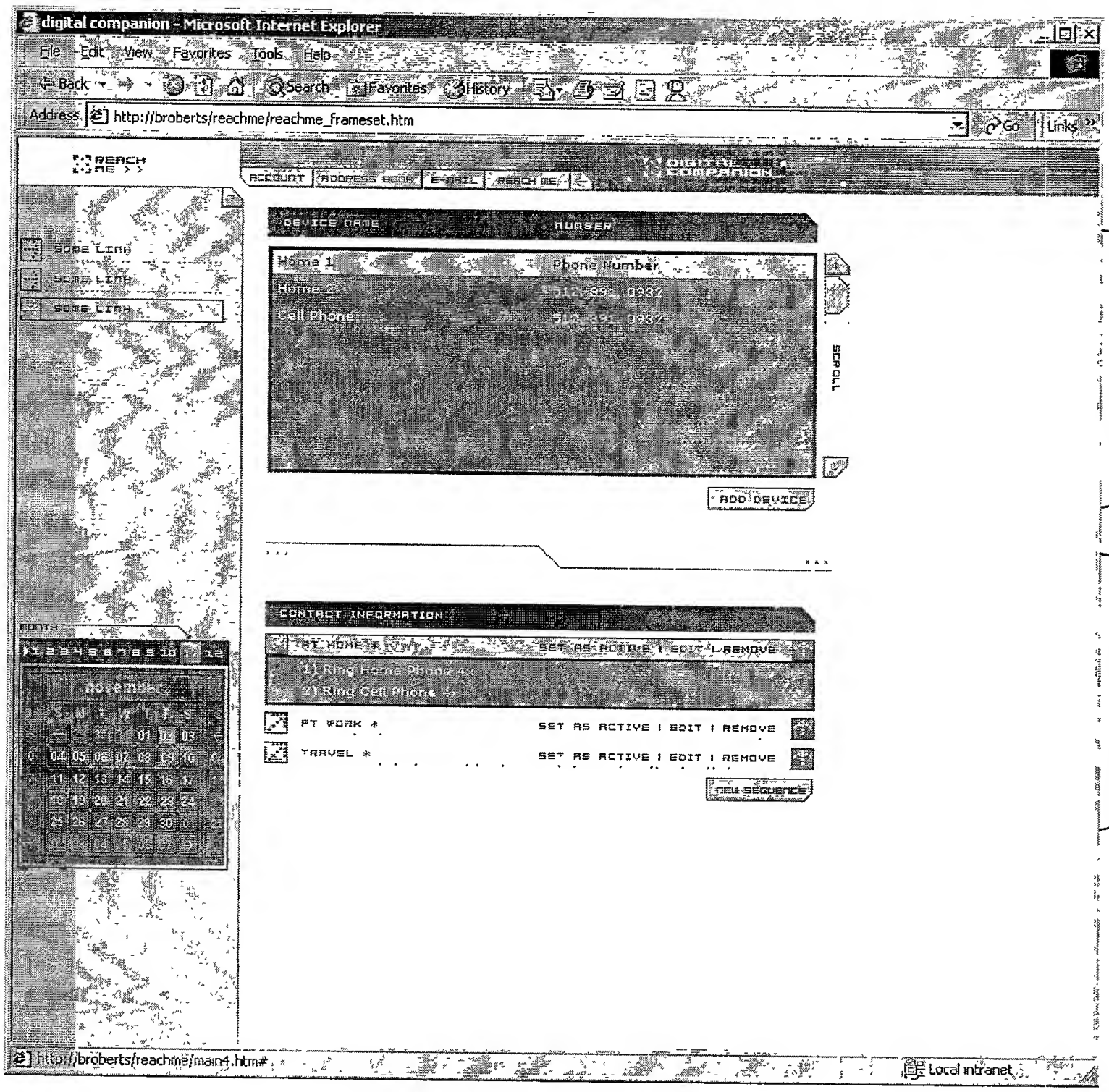
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
REACH ME >>
ACCOUNT ADDRESS BOOK E-MAIL REACH ME
DIGITAL COMPANION
SOME LINK
SOME LINK
SOME LINK
DEVICE NAME NUMBER
Home 1 Phone Number
Home 2
Cell Phone
SCROLL
ADD DEVICE
355
CONTACT INFORMATION
PT HOME * SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone #1
2) Ring Cell Phone #
PT WORK * SET AS ACTIVE | EDIT | REMOVE
TRAVEL * SET AS ACTIVE | EDIT | REMOVE
new sequence
357
November
http://broberts/reachme/main4.htm#
Local intranet

Fig. 3i

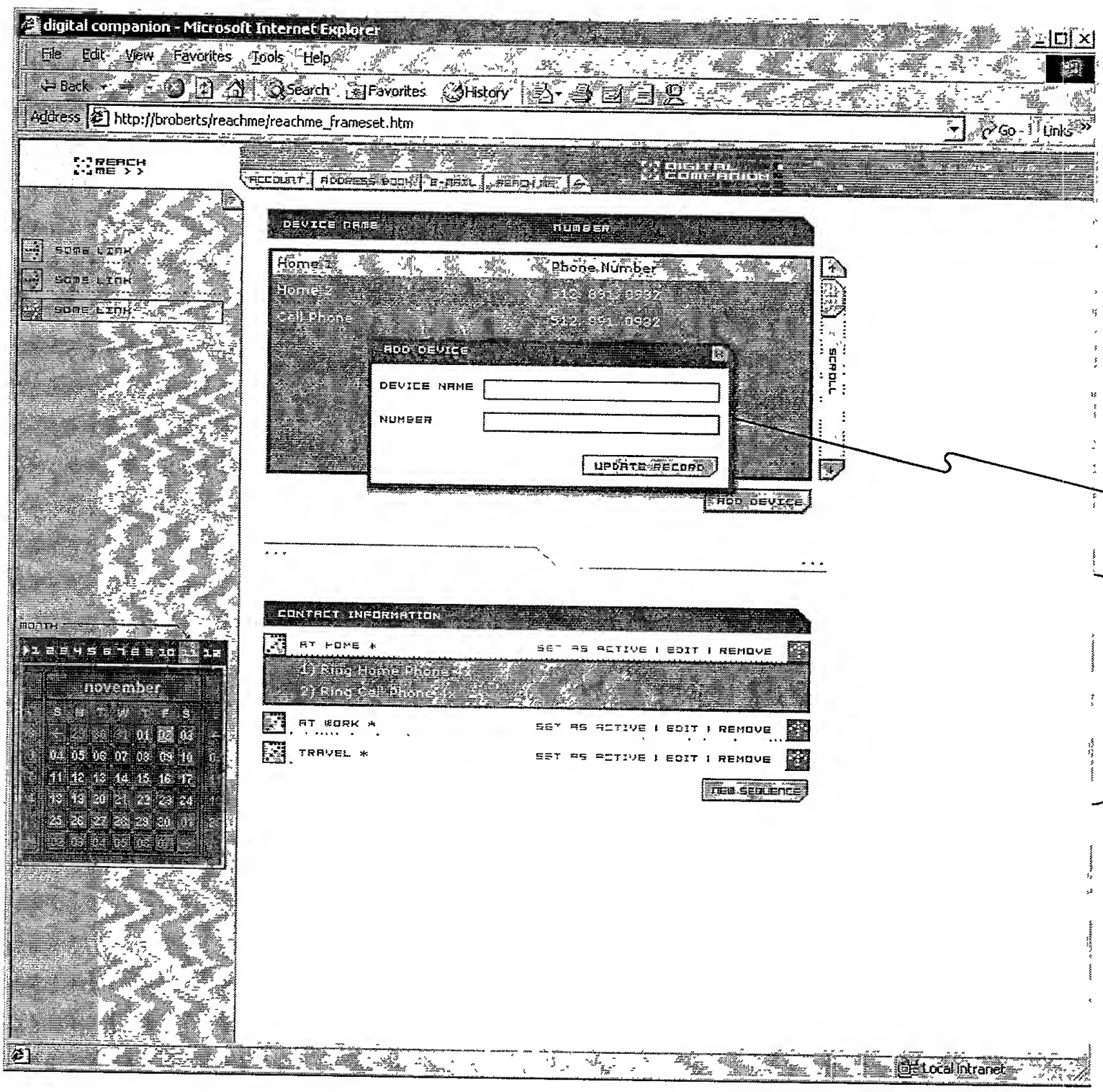
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
REACH ME >>
ACCOUNT ADDRESS BOOK E-MAIL
DEVICE NAME
NUMBER
Home1 Phone Number
Home2
Cell Phone
ADD DEVICE
DEVICE NAME
NUMBER
UPDATE RECORD
SCROLL
ADD DEVICE
360
CONTACT INFORMATION
AT HOME * SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone #1
2) Ring Cell Phone #1
AT WORK * SET AS ACTIVE | EDIT | REMOVE
TRAVEL * SET AS ACTIVE | EDIT | REMOVE
new sequence
362
month
november
Local intranet

Fig. 3j

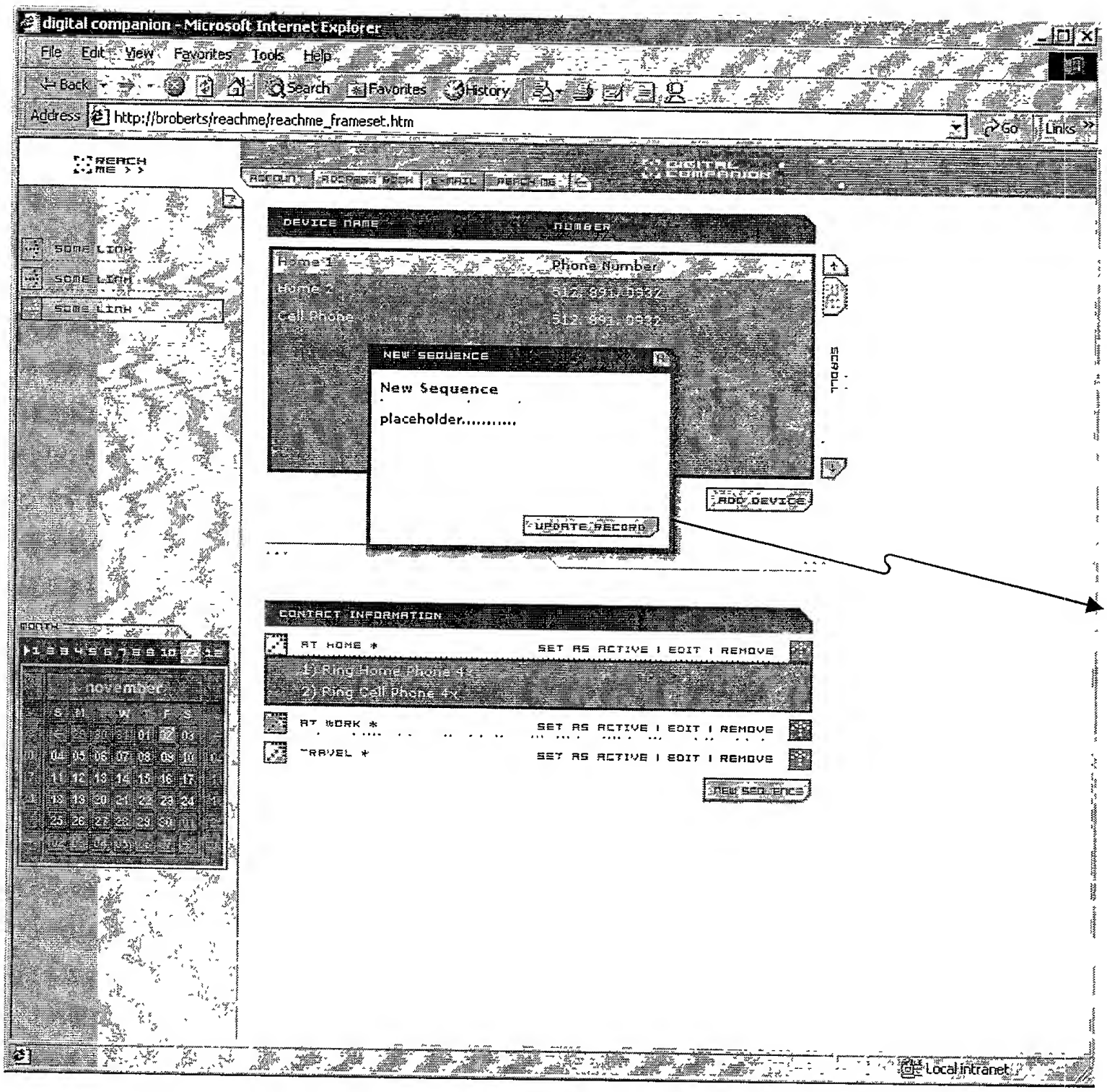
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
REACH ME
DEVICE NAME
NUMBER
Home 1
Phone Number
Home 2
512 891 0932
Cell Phone
512 894 0932
NEW SEQUENCE
New Sequence
placeholder.....
UPDATE RECORD
SCROLL
ADD DEVICE
370
CONTACT INFORMATION
AT HOME *
SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone 4x
2) Ring Cell Phone 4x
AT WORK *
SET AS ACTIVE | EDIT | REMOVE
TRAVEL *
SET AS ACTIVE | EDIT | REMOVE
new sequence
November
Local intranet

Fig. 3k

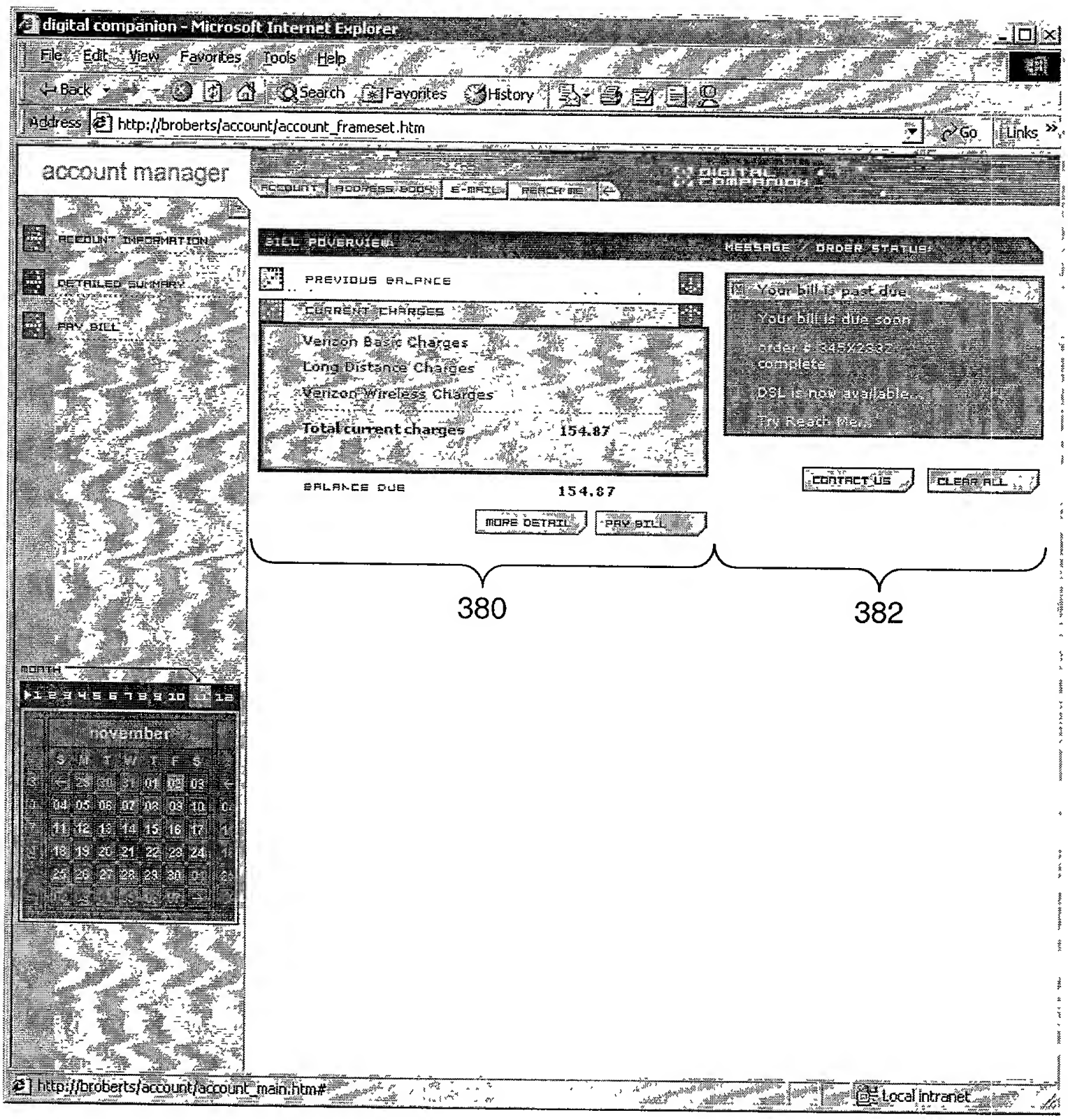
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/account/account_frameset.htm
Go Links
account manager
ACCOUNT ADDRESS BOOK E-MAIL RESEARCH
ACCOUNT INFORMATION
DETAILED SUMMARY
PAY BILL
BILL OVERVIEW
MESSAGE / ORDER STATUS
PREVIOUS BALANCE
CURRENT CHARGES
Verizon Basic Charges
Long Distance Charges
Verizon Wireless Charges
Total current charges 154.87
BALANCE DUE 154.87
MORE DETAIL
PAY BILL
Your bill is past due
Your bill is due soon
complete
DSL is now available...
CONTACT US
CLEAR ALL
MONTH
november
380
382
http://broberts/account/account_main.htm#
Local intranet

Fig. 3I

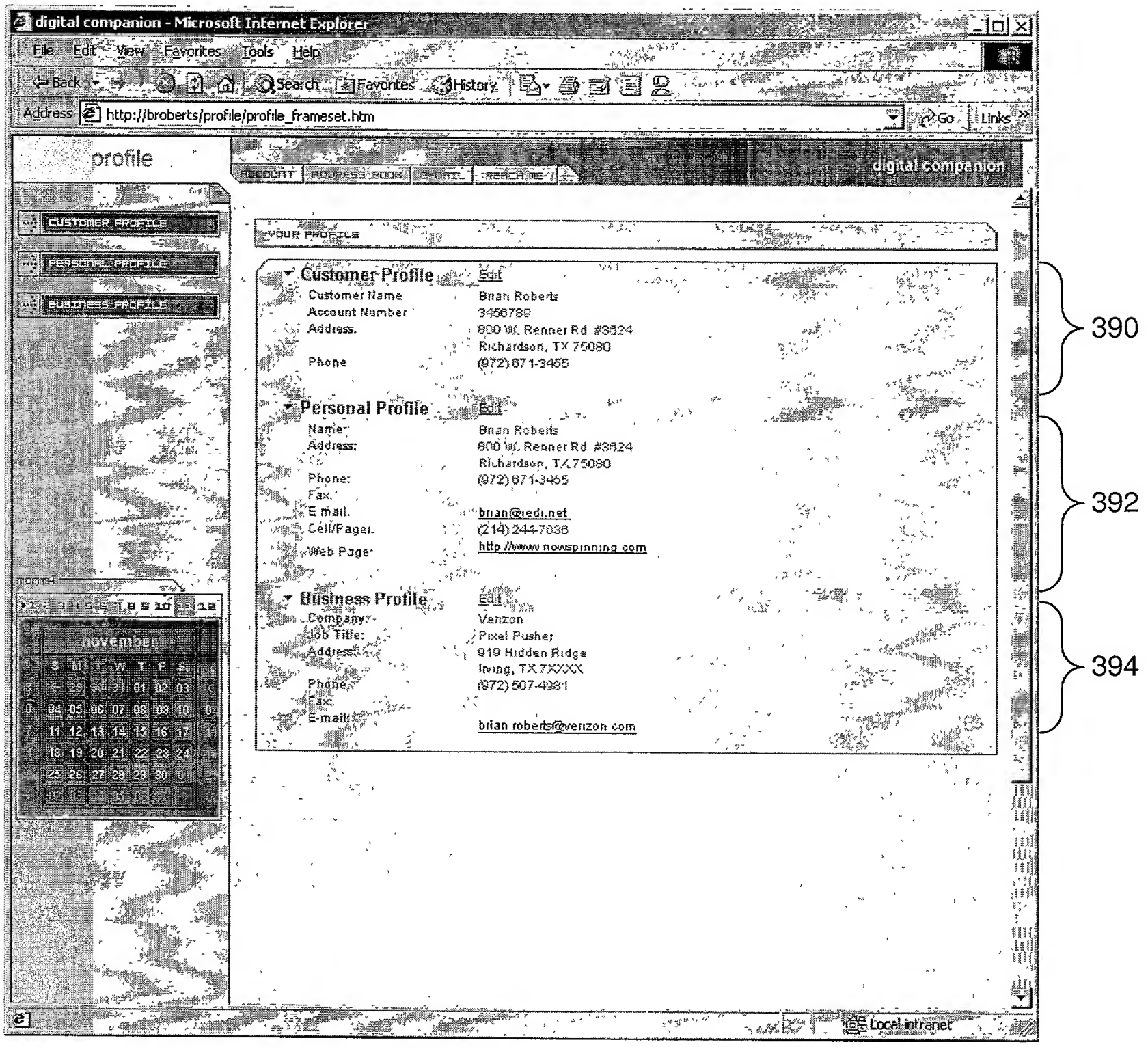
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/profile/profile_frameset.htm
Go Links
profile
digital companion
CUSTOMER PROFILE
PERSONAL PROFILE
BUSINESS PROFILE
YOUR PROFILE
Customer Profile Edit
Customer Name Brian Roberts
Account Number 3456789
Address 800 W. Renner Rd #3624
Richardson, TX 75080
Phone (972) 671-3455
Personal Profile Edit
Name Brian Roberts
Address 800 W. Renner Rd #3624
Richardson, TX 75080
Phone (972) 671-3455
Fax
E-mail brian@tedi.net
Cell/Pager (214) 244-7036
Web Page http://www.nowspinning.com
Business Profile Edit
Company Verizon
Job Title Pixel Pusher
Address 919 Hidden Ridge
Irving, TX 7XXXX
Phone (972) 507-4981
Fax
E-mail brian.roberts@verizon.com
November
Local intranet
390
392
394

Fig. 3m

20220 Method

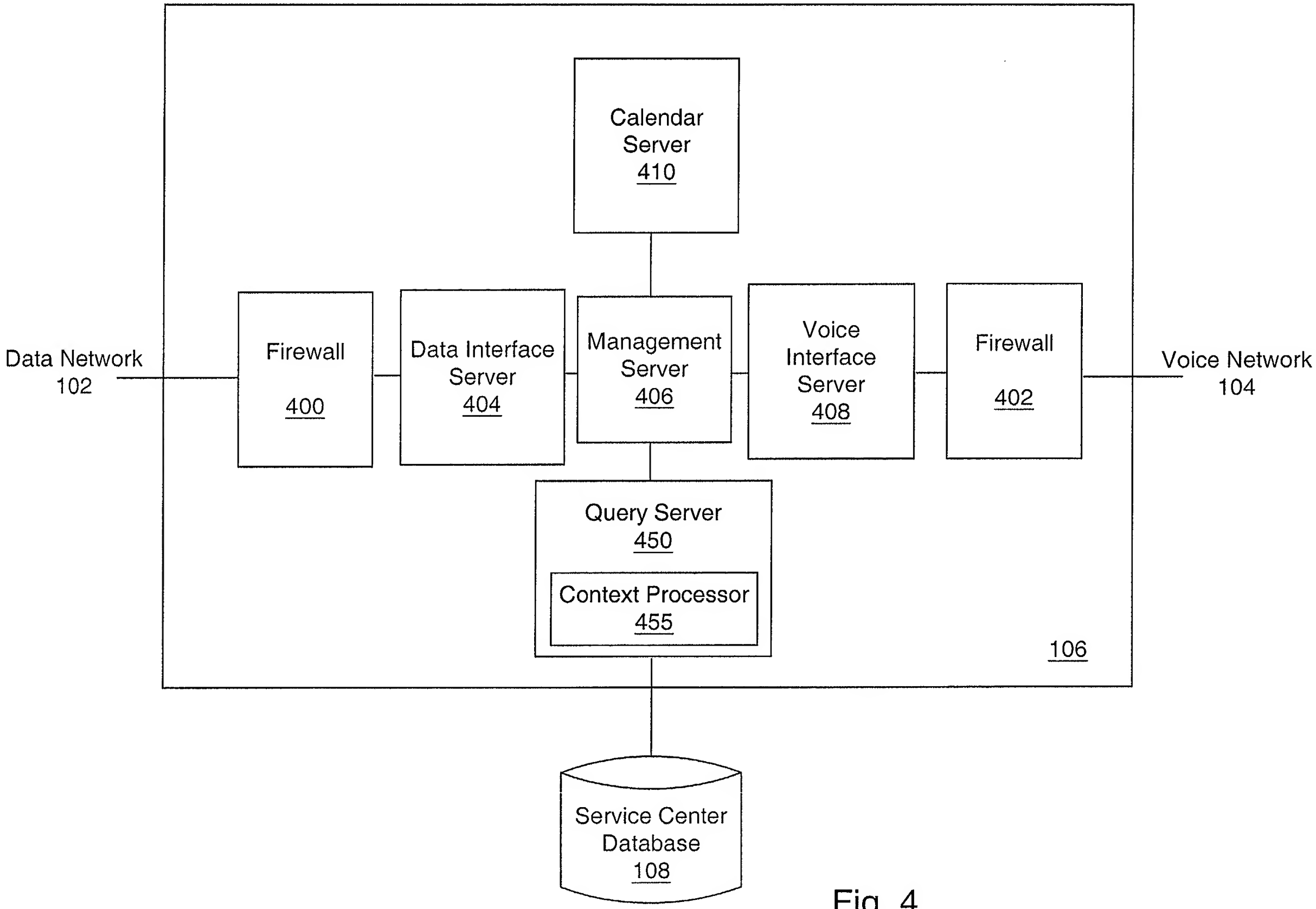

Fig. 4

User ID 502	Current Location 504	Recent Incoming Calls 506	Recent Outgoing Calls 508	Recent Query Results 510

Fig. 5

500

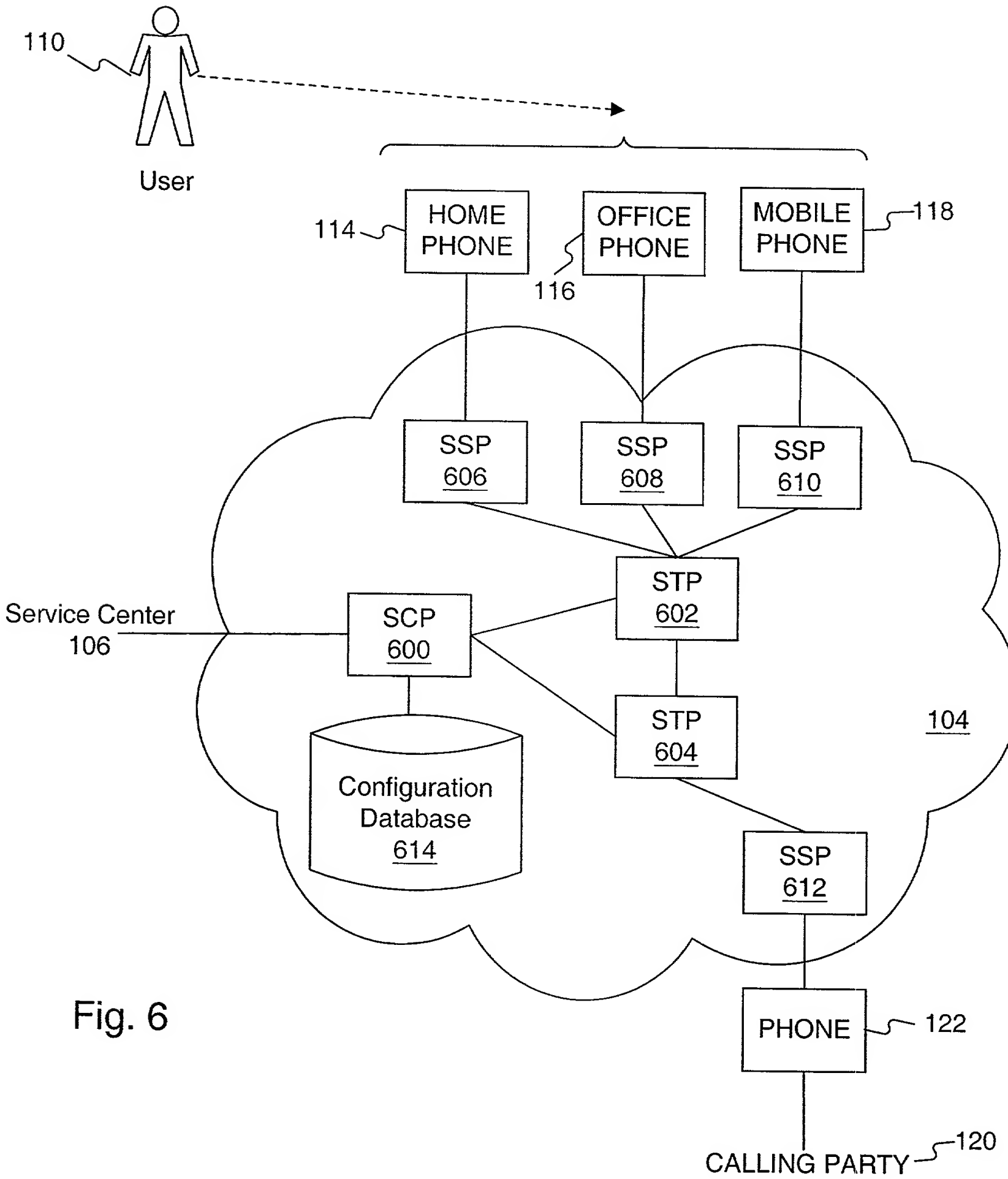
110
User
114
HOME PHONE
116
OFFICE PHONE
MOBILE PHONE
118
SSP 606
SSP 608
SSP 610
STP 602
Service Center 106
SCP 600
STP 604
104
Configuration Database 614
SSP 612
PHONE
122
CALLING PARTY
120

Fig. 6

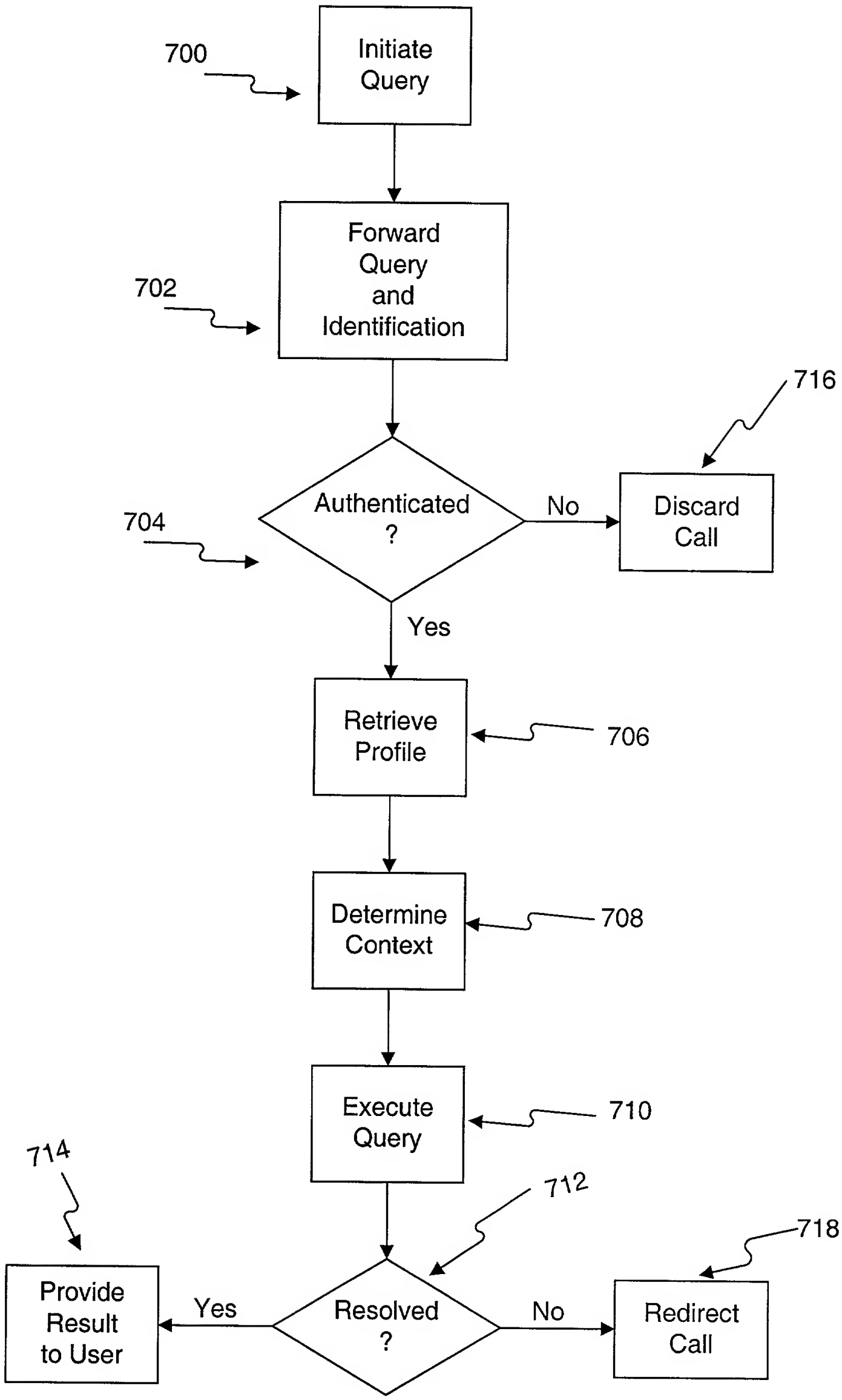
700
Initiate Query
Forward Query and Identification
702
716
Authenticated ?
704
No
Discard Call
Yes
Retrieve Profile
706
Determine Context
708
Execute Query
710
714
712
718
Provide Result to User
Yes
Resolved ?
No
Redirect Call

Fig. 7